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(57) Abstract:

PURPOSE: To dynamically reallocate all resources, allocated to one virtual computer, to other virtual computers.

CONSTITUTION: An LPAR control part for virtual computers LPAR as logically sectioned resources which enters a non-operation state as to the LPAR control part 6 which controls the LPARs stops the OS of the corresponding LPAR and indicates the releasing of the resource of the LPAR corresponding to a resource control part 8 controlling the resource and the reallocation of the resource to other LPARs. The LPAR control part 6 of the LPAR to which the resource is newly allocated stops the OS of the corresponding LPAR and reads new allocation contents out of the resource control part 8. When a channel is additionally allocated, it is reconstituted and when the use rate of an instruction processor IP is added, the rescheduling of the IP is requested to a monitor 9. In another way, a new logical processor is generated and allocated to the corresponding LPAR. Then the OS of the corresponding LPAR is actuated according to the new allocation contents of a main storage MS.

